ABSTRACT OF THE DISCLOSURE

An IPS mode liquid crystal display device includes a first set of pixels of different colors, each of the pixels having a data line along a side thereof and a gate line along a side thereof, wherein one of the pixels is a white (W) pixel; a second set of pixels of different colors, each of the pixels having a data line along a side thereof and a gate line along a side thereof, wherein one of the pixels is a white (W) pixel; wherein the first set of pixels and the second set of pixels is adjacent to each other. In another embodiment, the IPS LCD includes a plurality of R (Red), G (Green), B (Blue) and W (White) pixels defined by a plurality of gate lines and a plurality of data lines; a driving element in the pixel; and at least one pair of electrodes disposed in the pixel to form a horizontal electric field, wherein the R, G, B, and W pixels are arranged in a zigzag pattern in a data line direction, and each of R, G, B, and W pixels is arranged to be symmetric with respect to the gate line to adjacent R, G, B, and W pixels.